

INFORMATION RECORDING MEDIUM, DEFECT CONTROL METHOD AND ITS DEVICE

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- **european:**

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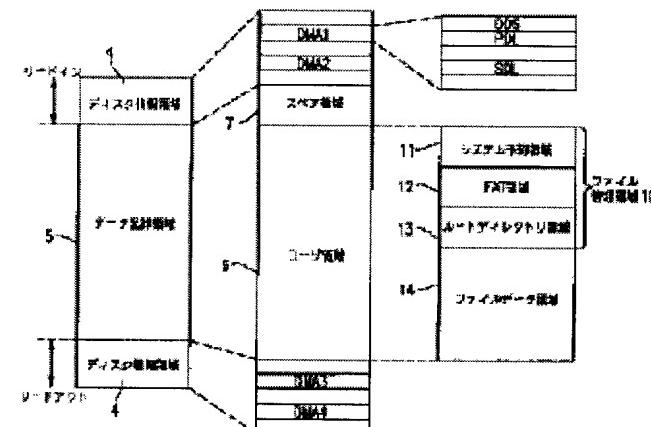
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Abstract of **JP2000195181**

PROBLEM TO BE SOLVED: To reduce access delay due to a defective sector, even if the defective sector is detected in the file management area, which is arranged near a logical sector number (LSN):0, by providing a disk information area, user area and a spare area, and arranging the spare area on the inner peripheral side from the user area.

SOLUTION: The area of an optical disk contains a disk information area and a data recording area, while a data storage area 5 contains a user area 6 and a spare area 7. The spare area 7 is arranged immediately before the user area 6 on the inner peripheral side of the optical disk. In the case where a defective sector is detected in the file management area 10, the defective sector is substituted with an alternate sector of the spare area 7. Since a distance is minute between the defective sector and the alternate sector, an access delay due to the defective sector is little. Access frequency to the file management area 10 is high; hence, the recording/reproducing processing time can be shortened.



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